

Bibliography Submission Help

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When to use the “Add a publication” function:

If you noticed that a publication that is relevant to a protein entry is not included in the publication section of UniprotKB Swiss-Prot of that particular entry protein. You do not have to be one of the authors of the publication to be added.

Things to know before you start a submission:

1. Submissions are checked to ensure content is appropriate and may undergo minor edits to correct typos, grammar and for standardization purposes (e.g., use of three letter amino acid code for amino acid descriptions). Other content changes are done only with the submitter’s permission.
2. ORCIDs are used internally for authentication, and externally to indicate your contribution. The latter helps to track and cite your contribution. If you choose to remain anonymous as a contributor you will lose that ability.
3. Add only facts related to the protein as described in the publication. Refrain from adding opinions related to the quality of data in the publication or other publications associated with the UniProt entry. You can submit feedback on existing annotations and associated publications in UniProt entries via the help desk <https://www.uniprot.org/contact>. We reserve the right to exclude your submission if opinions of such nature are encountered.
4. If you find any issue during the submission or need assistance, please contact us through this link <https://www.uniprot.org/contact>

Bibliography Submission Instructions:

Scenario: you work on activation of the insulin receptor and find that the paper with PMID:2449432 that describes phosphorylation of the rat insulin receptor is not associated with the UniProt entry P15127. Then you want to add this publication to the entry.

Step 1: In the protein entry (P15127), select the link “Add a publication” from either the main entry or the publication section (Figure1).

UniProtKB - P15127 (INSR_RAT)

Display: BLAST, Align, Format, Add to basket, History

Help video, Add a publication, Feedback

Protein: Insulin receptor
Gene: Insr
Organism: Rattus norvegicus (Rat)
Status: Reviewed - Annotation score: ●●●●● - Experimental evidence at protein level¹

Function: None

Publications related to P15127 - INSR_RAT

Display: Help video, Add a publication, Feedback

1. "The rat insulin receptor: primary structure and conservation of tissue-specific alternative messenger RNA splicing."
Goldstein B.J., Dudley A.L.
Mol. Endocrinol. 4:235-244(1990) [PubMed] [Europe PMC] [Abstract]
Cited for: NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM LONG), ALTERNATIVE SPLICING (ISOFORM SHORT).
Category: Sequences.
Source: UniProtKB/Swiss-Prot (reviewed).

2. Liu Y., Tam J.W.D.
Submitted (MAY-1997) to the EMBL/GenBank/DDB databases
Cited for: NUCLEOTIDE SEQUENCE [GENOMIC DNA] OF 731-756; 758-819; 960-994 AND 1119-1177.

Figure 1. Main entry page and Publications page (P15127)

Step 2: Clicking on “Add a publication” will open the submission page (Figure 2) with the protein accession, P15127 in this case, automatically filled in the text box. The next step is to click the link to sign in with your ORCID. Note that this page also contains a brief description of the overall steps for the submission (with link to a sample form), and information about ORCID (what ORCID is and why ORCID is needed for the submission). We also provide a link to register if you need to get ORCID.

Bibliography Submission Page

Please enter a UniProtKB accession and sign in through ORCID to continue

P15127 ← Click here to sign in

Contribute your knowledge to UniProtKB by associating a publication and annotation to a UniProt entry.

Three simple steps:

- 1-Enter UniProtKB Accession (see box above)
- 2-Sign in with ORCID
- 3-Fill in submission form (retrieve publication and add annotation)

The information will be available in the entry publication section in a future UniProt release.

← To learn about ORCID

About ORCID

ORCID is an independent non-profit organization that provides a persistent identifier - an ORCID ID - that distinguishes you from other researchers and a mechanism for linking your research outputs and activities to your ID. ORCID is integrated into many systems used by publishers, funders, institutions, and other research-related services. Learn more at orcid.org.

Authenticate with ORCID

The UniProt Bibliography Submission Page is collecting your ORCID ID so we can verify your submission is not a spam. When you click the "Authorize" button, we will ask you to share your ID using an authenticated process: either by [registering](#) ← Registration link for an ORCID ID or, if you already have one, by [signing into your ORCID account](#), then granting us permission to get your ORCID ID. We do this to ensure that you are correctly identified and securely connecting your ORCID ID. Learn more about [What's so special about signing in](#).

Figure 2. Bibliography submission page

Step 3: After you sign in with your ORCID ID, the submission for will open (Figure 3). There are four sections of the form, “Contribute a Publication to the Following Entry”, “Enter

PubMed (PMID) for the Publication”, “Annotation Section (optional)”, and “Contributor Information”. The latter two sections will appear only after the previous sections are completed.

The first section “Contribute a Publication to the Following Entry” is automatically filled. Then you only need to type in the PubMed ID (PMID) for the publication you want to add (in this case 2449432) in the text box called “Enter PubMed (PMID) for the Publication” section and click “Retrieve Publication INFO”.

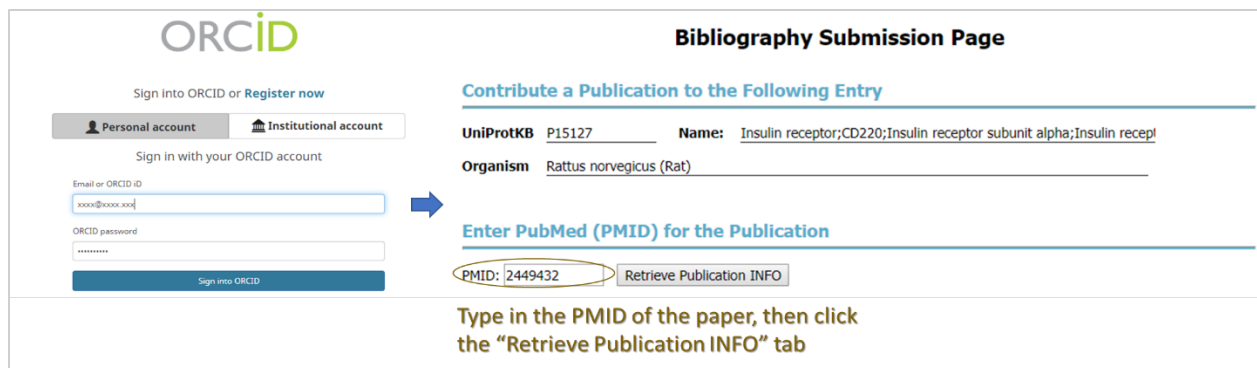


Figure 3. ORCID sign in page and Bibliography submission page.

Step 4: After you click “Retrieve Publication INFO”, the retrieved title of the paper along with its authors and link will show. Carefully answer the questions to make sure the information retrieved by the system is correct before you proceed.

Enter PubMed (PMID) for the Publication

PMID:

Publication information for PMID:2449432

"A cascade of tyrosine autophosphorylation in the beta-subunit activates the phosphotransferase of the insulin receptor."

White MF, Shoelson SE, Keutmann H, Kahn CR.

J Biol Chem 263:2969-80 (1988 Feb 25) [PubMed] [Europe PMC]

Is this the publication you want to submit? **Answer after you check the publication retrieved is the one you intend to include.**

Yes, this is the publication. No, it's not.

Is this publication about the protein and organism indicated above?

Yes, it is. No, it is not. **Answer after you check that the publication is about the protein retrieved (including species).**

Figure 4. Bibliography submission form “Enter PubMed (PMID) for the Publication” section.

Step 5: Once you answer “Yes” to both questions, the “Annotation section” will appear (figure 5). This section is optional, but **we greatly encourage you to contribute your knowledge**. It has two parts, one is to indicate what topics the article covers about the protein. You can select one or more topics. If you do not know leave this section blank. If you need more information to make a choice, please consult the information from the links below:

- Function: https://www.uniprot.org/help/function_section
- Subcellular location: https://www.uniprot.org/help/subcellular_location_section



- Pathology and Biotech: https://www.uniprot.org/help/pathology_and_biotech_section
- PTM / Processing: https://www.uniprot.org/help/ptm_processing_section
- Expression: https://www.uniprot.org/help/expression_section
- Interaction: https://www.uniprot.org/help/interaction_section
- Structure: https://www.uniprot.org/help/structure_section
- Sequence: <https://www.uniprot.org/uniprot/P15127#sequences>

The second part gives the opportunity to include some annotation in text form.

- “Protein/gene name” text box is used when the publication presents a protein or gene name, ORF, locus ID, etc. Completing this field helps to provide evidence for the name and add synonyms that may not be yet in UniProt.
- “Function of this protein” is for adding a brief sentence(s) about the protein function. Remember to add facts derived from experimental data in the publication not personal opinions.

Examples:

“This protein is involved in <biological process name> process.”

“This protein is a <enzyme type> that catalyzes the <reaction name>.”

“When phosphorylated on <site> this protein functions as <molecular function>.”

- “Association with disease(s)” is for the cases where the publication link the protein/gene to a disease. Remember to add facts derived from the publication not personal opinions. Examples:

“This publication describes a new variant <variant name> that has been found in patients with <disease>.”

“This publication shows association of variant <variant name> with <disease>.”

- “Any additional comment” is for adding any additional information, such as subcellular location or post-translational modifications. This information will also be made public. Remember to add facts derived from the publication not personal opinions.

Examples: you can add information on subcellular localization, post-translational modifications, etc.

Going back to our example case (P15127), the paper PMID:2449432 describes the phosphorylation sites on the insulin receptor beta subunit. Thus, PTM/Processing is selected as the topic of the publication, and the specific phosphorylated sites can be added in the “Any additional comment” text box.

Annotation Section (optional)

Contribute your knowledge.

Does this publication describe any of these properties about the gene/protein?

Please select all that apply.

- Function (includes molecular function, processes/pathway, sequence features important for function)
- Subcellular location (information on the location and/or the topology of the mature protein in the cell)
- Pathology & Biotech (includes disease, phenotype, variants, mutagenesis, biotechnology use)
- PTM/Processing (post-translational information, protein cleavage)
- Expression (at RNA and protein levels)
- Interaction (protein-protein interaction)
- Structure (3D structure)
- Sequence (nucleotide or protein sequences, isoforms, polymorphisms)

Based on this publication, can you say something about:

Protein/gene name (if multiple separate by new line)

Function of this protein (short sentence)

Association with disease(s)

Any additional comment

Figure 5. Bibliography submission form “Annotation” section.

Step 6: In the “Contributor Information” section, the boxes marked with * are required to answer, others are optional. You can choose to display your ORCID as contributor source or not. If your answer is yes, your ORCID will be shown as a contributor to this annotation publicly, and you can also trace back your contribution(s) and cite them. **Please NOTE** that once you choose to be an anonymous contributor, you will not be able to trace or cite your contribution(s). Please be mindful for the option you choose before submitting (Figure 6).

Step 7: “Submit Bibliography”, select this once you completed the form. A message will be displayed stating that the submission will be checked and will be added to a UniProt future release. You will also receive a system generated confirmation email.

Contributor Information

Providing your email facilitates feedback on your annotation and to inform you when the paper appears in the UniProt publication section of the entry. This information will not be shared with third parties.

Enter your contact email*

Enter your affiliation

Please select if you would like to be explicitly credited for your contribution *

It is OK to use my ORCID ID in contributor source in the publication page.

I prefer to remain as anonymous contributor.

ORCID:

ORCID Account Name:

Figure 6. Bibliography submission form “Contributor Information” section.

Submissions in batch:

In some cases, submitting one publication/protein at a time is cumbersome, as you may have a publication describing some aspect for many proteins, e.g., subcellular location or a post-translational modification. Or you may have collected information from the literature for many proteins of your interest and you already have information stored in some table or database. For these cases, we have created a template/sample spreadsheet to submit many annotations simultaneously for review. The file is available in Batch submission link in

<https://community.uniprot.org/bbsub/index.html>

UniProt Accession	PMID	Category (if multiple, separated by ,)*	Protein/gene names (separated by ;)	Function	Disease	Other comments	ORCID
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Where categories are number coded:

- 1 Function (includes molecular function, processes/pathway, sequence features important for function)
- 2 Subcellular location (information on the location and/or the topology of the mature protein in the cell)
- 3 Pathology & Biotech (includes disease, phenotype, variants, mutagenesis, biotechnology use)
- 4 PTM/Processing (post-translational information, protein cleavage)
- 5 Expression (at RNA or protein levels)
- 6 Interaction (protein-protein interaction)
- 7 Structure (3D structure)
- 8 Sequence (nucleotide or protein sequences, isoforms, polymorphisms)

Batch submissions are sent via email to publication_submission@uniprot.org



Their review process takes longer as there are more quality assurance involved than in the regular entry submission method.

Submission display page:

We have created a page where submissions are displayed. As a contributor if you sign with ORCID you will be able to see all your submissions.

Access: <https://community.uniprot.org/bbsub/bbsubinfo.html>

The submissions may have the following Status tags and visibility will vary depending on your role:

Status tag	What does it mean?	Who can view these?
Public	The publication can be accessed in the entry publication page on the UniProt website and in the "Community annotation" link in the protein entry	Everyone
Checked	The submission has been checked and is ready for upcoming release. It can be accessed by everyone from the UniProt entry via the "Community annotation" link	Everyone
Under Review	The submission has not yet been fully checked by UniProt and it is not ready for the public view.	Submitter (need to sign in with ORCID)
Dropped	The submission has been found inappropriate (e.g., incorrect association of paper to entry)	Submitter (need to sign in with ORCID)

Community Bibliography Submissions

Compose Query

Submission Status: Public

Choose displaying fields

UniProt AC, Protein Name, PMID, Article Title, ORCID, Category, Annotation, Submit Date, Status

Sign in ORCID

Refresh Prev Next Go to page: 1 of 2 page(s) in total; Now displaying 1 - 50 of 94 results. [Display 50 rows in a page] Sorting results by **Submit Date**, in descending order.

Download Selected Clear Selected Download All Search Results

UniProt AC	Protein Name	PMID	Article Title	ORCID	Category	Annotation	Submit Date	Status
P15127	Insulin receptor	29289466	Angiotensin II type 2 receptor inhibits expression and function of insulin receptor in rat renal proximal tubule cells.	0000-0002-0803-4817	[PTM / Processing][Expression][Interaction]	Comments:Activation of angiotensin II type 2 receptor (AT2R) inhibits insulin receptor expression via PI3K and PKC pathways in renal proximal tubule cells.	2019-10-30	Public
Q9A7T6	Oxidoreductase	20190087	Identification of a dehydrogenase required for lactose metabolism in Caulobacter crescentus.	0000-0003-4691-3246	[Function]	Protein/gene_name:Lactose dehydrogenase. Function:Oxidation of lactose (product has not been defined). Oxidizes lactose, salicin, and, to a lesser extent, trehalose.	2019-10-23	Public
P21338	Ribonuclease I	2406134	Purification and characterization of Escherichia coli RNase I. Comparisons with RNase M.	0000-0003-4691-3246	[Function]	Protein/gene_name:Ribonuclease I. Function:Endoribonuclease; degrades each of the four ribonucleotide homopolymers.	2019-10-23	Public
P07012	Peptide chain release factor RF2	6355097	The Escherichia coli ribosomal protein L11 suppresses release factor 2 but promotes the release factor 1 activities in peptide chain termination.	0000-0003-4691-3246	[Function][Interaction]	Protein/gene_name:Peptide chain release factor RF2. Function:Involved in peptide chain termination, leading to codon-dependent peptidyl-RNA hydrolysis. Comments:Is repressed by ribosomal protein L11 and stimulated by ribosomal protein L16.	2019-10-23	Public

Figure 7. Bibliography submission display page.

The homepage of the community bibliography submission page offers search capabilities based on:

UniProtKB AC	UniProt accession	Exact match to AC (e.g., P99999)
UniProt protein name	UniProtKB protein recommended name	String/substring match to name
PMID	PubMed ID	Exact match to ID (12345)
Article Title	Name of article submitted	String/substring match to name
ORCID	Submitter identifier	Exact match to ID xxx-xxxx
Has_category	UniProt annotation topics	Drop down menu to select option
Annotation	Could be protein/gene name; function; disease or other comments	String/substring match to text
Submission Date	Date the publication was submitted to UniProt	YYYY-M-D
Submission Status	Is submission public (in entry publication section), checked, etc	Drop down menu to select option

You can perform Boolean searches by adding search boxes with +, and by selecting AND/OR (Figure 8)

Compose Query

AND Submission Status: Public

Has Category: [Function]

Submit Search Reset Search Hide/Show Query

Figure 8. Bibliography submission display Boolean search. Searching for public submissions with function category

Figure 9. Result page. Result for “public” submissions with category “function”.

The columns can be customized by selecting checkboxes in “Choose displaying fields” (Figure 10) and content sorted using the up/down arrow next to column title.

Figure 10. Bibliography submission display column customization. The submit date has been unselected, and then it is hidden in result columns

Checkboxes on the first column allow to select results to download in tab-delimited format (Figure 11). You can download a subset of selected as the example below, or Download all search results.

a-Submissions selected for download

b-Tab-delimited file for selected entries

```

Q9NZC2 ORCID 31410002 0000-0001-9594-9304 [Function][Pathology & Biotech]Comments:Review describing the role of TREM2 in
mediating phagocytic clearance of neuronal debris with focus on clearance of Amyloid beta and Alzheimer disease.
A0A3B6KUA9 ORCID 31465541 0000-0001-9055-993X [Function][Pathology & Biotech][Expression]Protein/gene_name:B1.
Function:Suppresses development of awns in developing wheat spikes.
A0A3B6KUA9 ORCID 31469444 0000-0001-9055-993X [Function][Pathology & Biotech][Expression]Protein/gene_name:B1.
Function:Suppresses development of awns in developing wheat spikes.
Q2FGF6 ORCID 31465450 0000-0002-6031-1148 [Function]Function:Era is a GTPase, important for cold shock survival.
  
```

Figure 11. Bibliography submission download. The example shows selection of 4 submissions (a) and the download of those selected in tab-delimited format (b).